

# Register list for 44 new names including *Fervidifonticoltor octavus* sp. nov.

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## Phylum *Sysuimicrobiota*

### Etymology

[Sy.su.i.mic.ro'bi.o'ta] N.L. neut. n. *Sysuimicrobium*, type genus of the phylum; -ota, ending to denote a phylum; N.L. pl. neut. n. *Sysuimicrobiota*, the *Sysuimicrobium* phylum

### Nomenclatural type

Genus *Sysuimicrobium*

### Description

A phylum established on the basis of AAI, ANI, dDDH and phylogenomic analyses.

### Classification

*Bacteria* » *Sysuimicrobiota*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32755>

## Class *Sysuimicrobia*

### Etymology

[Sy.su.i.mic.ro'bi.ia] N.L. neut. n. *Sysuimicrobium*, referring to the type genus *Sysuimicrobium*; -ia, ending to denote a class; N.L. neut. pl. n. *Sysuimicrobia*, the *Sysuimicrobium* class

### Nomenclatural type

Genus *Sysuimicrobium*

### Description

A class established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiota* phylum.

### Classification

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobia*

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32781>

## Order *Sysuimicrobiales*

### Etymology

[Sy.su.i.mi.cro'bi.a'les] N.L. neut. n. *Sysuimicrobium*, type genus of the order; -ales, ending to denote an order; N.L. fem. pl. n. *Sysuimicrobiales*, the *Sysuimicrobium* order

**Nomenclatural type**

Genus *Sysuimicrobium*

**Description**

A order established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobia* class.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32782>

## Family *Kaftiobacteriaceae*

**Etymology**

[Kaf.ti.o.bac.te.ri.a.ce'ae] N.L. neut. n. *Kaftiobacterium*, type genus of the family; L. suff. *aceae*, ending to denote a family; N.L. fem. pl. n. *Kaftiobacteriaceae*, the *Kaftiobacterium* family

**Nomenclatural type**

Genus *Kaftiobacterium*

**Description**

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32799>

## Family *Segetimicrobiaceae*

**Etymology**

[Se.ge'ti.mi.cro.bi.a.ce'ae] N.L. neut. n. *Segetimicrobium*, type genus of the family; -*aceae*, ending to denote a family; N.L. fem. pl. n. *Segetimicrobiaceae*, the *Segetimicrobium* family

**Nomenclatural type**

Genus *Segetimicrobium*

**Description**

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Segetimicrobiaceae*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32796>

## Family *Sysuimicrobiaceae*

### Etymology

[Sy.su.i.mi.cro.bi.a.ce'ae] N.L. neut. n. *Sysuimicrobium*, type genus of the family; -aceae, ending to denote a family; N.L. fem. pl. n. *Sysuimicrobiaceae*, the *Sysuimicrobium* family

### Nomenclatural type

Genus *Sysuimicrobium*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Sysuimicrobiaceae

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32783>

## Family *Thermofontiviventaceae*

### Etymology

[Ther.mo.fon.ti.vi.ven.ta.ce'ae] N.L. masc. n. *Thermofontivivens*, referring to the type genus *Thermofontivivens*; -aceae, ending to denote a family; N.L. fem. pl. n. *Thermofontiviventaceae*, the *Thermofontivivens* family

### Nomenclatural type

Genus *Thermofontivivens*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Thermofontiviventaceae

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32792>

## Family *Humicultraceae*

### Etymology

[Hu.mi.cul.tor.a.ce'ae] N.L. masc. n. *Humicultror*, type genus of the family; L. suff. -aceae, ending to denote a family; N.L. fem. pl. n. *Humicultraceae*, the *Humicultror* family

### Nomenclatural type

Genus *Humicultror*

### Description

A family established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiales* order.

### Classification

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Humicultraceae

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32808>

## Genus *Fervidifonticulor*

**Etymology**

[Fer.vi.di.fon.ti.cul'tor] L. **masc.** adj. *fervidus*, hot, burning; L. **masc.** n. *fons*, a spring, fountain; L. **masc.** n. *cultor*, an inhabitant; N.L. **masc.** n. *Fervidifonticulor*, inhabitant of a hot spring

**Nomenclatural type**

Species *Fervidifonticulor primus*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humiculatoraceae* family. The type species of the genus is *Fervidifonticulor primus*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humiculatoraceae* » *Fervidifonticulor*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32815>

## Genus *Calidihabitans*

**Etymology**

[Ca.li.di.ha.bi'tans] L. **masc.** adj. *calidus*, hot; L. **pres. part.** *habitans*, inhabiting; N.L. **masc.** n. *Calidihabitans*, inhabitants of hot environments

**Nomenclatural type**

Species *Calidihabitans tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaytiobacteriaceae* family. The type species of the genus is *Calidihabitans tengchongensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaytiobacteriaceae* » *Calidihabitans*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32806>

## Genus *Kaftiobacterium*

**Etymology**

[Kaf.ti.o.bac.te.ri.um] Gr. adj. *kafti*, hot; N.L. **neut.** n. *bacterium*, rod or staff and, in biology a bacterium; N.L. **neut.** n. *Kaftiobacterium*, a bacterium in hot environment

**Nomenclatural type**

Species *Kaftiobacterium secundum*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaftiobacteriaceae* family. The type species of the genus is *Kaftiobacterium primum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Kaftiobacteriaceae* » *Kaftiobacterium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32800>

## Genus *Segetimicrobium*

**Etymology**

[Se.ge.ti.mi.cro'bi.um.] L. gen. n. *segetis*, of the soil; N.L. neut. n. *microbium*, microbe; N.L. neut. n. *Segetimicrobium*, a microbe of the earth

**Nomenclatural type**

Species *Segetimicrobium genomatis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Segetimicrobiaceae* family. The type species of the genus is *Segetimicrobium genomatis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Segetimicrobiaceae* » *Segetimicrobium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32797>

## Genus *Caldifonticola*

**Etymology**

[Cal.di.fon.ti'co.la] L. adj. *caldus*, hot; L. masc. n. *fons*, a spring; N.L. masc. suff. *cola*, an inhabitant; N.L. masc. n. *Caldifonticola*, inhabitant of a hot spring

**Nomenclatural type**

Species *Caldifonticola tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Caldifonticola tengchongensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Caldifonticola*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32788>

## Genus *Tepidifontimicrobium*

**Etymology**

[Te.pi.di.fon.ti.mi.cro'bi.um] L. **masc. adj.** *tepidus*, moderately warm; L. **masc. n.** *fons*, a spring; N.L. **neut. n.** *microbium*, microbe; N.L. **neut. n.** *Tepidifontimicrobium*, a microbe from a warm spring

**Nomenclatural type**

Species *Tepidifontimicrobium thermophilum*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Tepidifontimicrobium thermophilum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobii* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Tepidifontimicrobium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32790>

## Genus *Geohabitans*

**Etymology**

[Ge.o.ha.bi.tans] Gr. **n.** *geo*, the earth; L. **pres. part.** *habitans*, inhabiting; N.L. **masc. n.** *Geohabitans*, an inhabitant of Earth

**Nomenclatural type**

Species *Geohabitans tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicltoraceae* family. The type species of the genus is *Geohabitans tengchongensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobii* » *Sysuimicrobiales* » *Humicltoraceae* » *Geohabitans*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32812>

## Genus *Thermofontivivens*

**Etymology**

[Ther.mo.fon.ti.vi'vens] Gr. **masc. adj.** *thermos*, hot; L. **masc. n.** *fons*, a spring; L. **pres. part.** *vivens*, living; N.L. **masc. n.** *Thermofontivivens*, living in a hot spring

**Nomenclatural type**

Species *Thermofontivivens primus*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Thermofontiviventaceae* family. The type species of the genus is *Thermofontivivens primum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobii* » *Sysuimicrobiales* » *Thermofontiviventaceae* » *Thermofontivivens*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32793>

## Genus *Sysuimicrobium*

**Etymology**

[Sy.su.i.mi.cro.bi.um] N.L. neut. n. *microbium*, microbe; N.L. neut. n. *Sysuimicrobium*, arbitrary name from the acronym of Sun Yat-Sen University, SYSU where the identification of microbial metagenome was done

**Nomenclatural type**

Species *Sysuimicrobium calidum*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobiaceae* family. The type species of the genus is *Sysuimicrobium thermophilum*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32784>

## Genus *Humicultor*

**Etymology**

[Hu.mi.cul'tor] L. fem. n. *humus*, soil; L. masc. n. *cultor*, an inhabitant; N.L. masc. n. *Humicultor*, an inhabitant of soil

**Nomenclatural type**

Species *Humicultor tengchongensis*<sup>Ts</sup>

**Description**

A genus established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humicultoraceae* family. The type species of the genus is *Humicultor riflensis*.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobiia* » *Sysuimicrobiales* » *Humicultoraceae* » *Humicultor*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32809>

## Species *Fervidifonticultor primus*<sup>Ts</sup>

**Etymology**

[pri'mus] L. masc. adj. *primus*, first, to represent the first genome bin from of the genus

**Nomenclatural type**

[INSDC Nucleotide: JAVKHP000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticultor* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Humicutoraceae » Fervidifonticulor » *Fervidifonticulor primus*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32816>

## Species *Fervidifonticulor quartus*

**Etymology**

[qu.ar'tus] L. masc. adj. *quartus*, fourth, to represent the fourth genome bin of the genus

**Nomenclatural type**

[NCBI Assembly: GCA\\_031458775.1](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulor* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Humicutoraceae » Fervidifonticulor » *Fervidifonticulor quartus*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32819>

## Species *Fervidifonticulor secundus*

**Etymology**

[se.cun'dus] L. masc. adj. *secundus*, second, to represent the second genome bin of the genus

**Nomenclatural type**

[NCBI Assembly: GCA\\_031459385.1](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticulor* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Humicutoraceae » Fervidifonticulor » *Fervidifonticulor secundus*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32817>

## Species *Fervidifonticulor tertius*

**Etymology**

[ter'ti.us.] L. masc. adj. *tertius*, third, to represent the third genome bin of the genus

**Nomenclatural type**[NCBI Assembly: GCA\\_031459235.1](#) <sup>Ts</sup>**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Fervidifonticltor* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobia* » *Sysuimicrobiales* » *Humicltoraceae* » *Fervidifonticltor* » *Fervidifonticltor tertius*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**<https://seqco.de/i:32818>

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## Species *Sysuimicrobium calidum*<sup>Ts</sup>

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**Etymology**

[ca'li.dum] L. neut. adj. *calidum*, indicating the origin of the metagenome from hot spring

**Nomenclatural type**[NCBI Assembly: GCA\\_031459935.1](#) <sup>Ts</sup>**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium* » *Sysuimicrobium calidum*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**<https://seqco.de/i:32787>

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## Species *Sysuimicrobium tengchongense*

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**Etymology**

[teng.chong.en'se] N.L. neut. adj. *tengchongense*, referring to Tengchong

**Nomenclatural type**[NCBI Assembly: GCA\\_031460175.1](#) <sup>Ts</sup>**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Sysuimicrobium* genus.

**Classification**

*Bacteria* » *Sysuimicrobiota* » *Sysuimicrobia* » *Sysuimicrobiales* » *Sysuimicrobiaceae* » *Sysuimicrobium* » *Sysuimicrobium tengchongense*

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**<https://seqco.de/i:32786>

## Species *Calidihabitans tengchongensis*<sup>Ts</sup>

### Etymology

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

### Nomenclatural type

[INSDC Nucleotide: JAVKIE0000000000](#)<sup>Ts</sup>

### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Calidihabitans* genus.

### Classification

Bacteria » Sysuimicrobiota » Sysuimicrobia » Sysuimicrobiales » Kaftiobacteriaceae » *Calidihabitans* » *Calidihabitans tengchongensis*<sup>Ts</sup>

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32807>

## Species *Tepidifontimicrobium thermophilum*<sup>Ts</sup>

### Etymology

[ther.mo'phi.lum] Gr. fem. adj. *thermē*, heat; N.L. neut. adj. *philum*, loving; N.L. neut. adj. *thermophilum*, heat loving

### Nomenclatural type

[INSDC Nucleotide: JAVKHO0000000000](#)<sup>Ts</sup>

### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Tepidifontimicrobium* genus.

### Classification

Bacteria » Sysuimicrobiota » Sysuimicrobia » Sysuimicrobiales » Sysuimicrobiaceae » *Tepidifontimicrobium* » *Tepidifontimicrobium thermophilum*<sup>Ts</sup>

### References

Effective publication: Liu et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32791>

## Species *Segetimicrobium genomatis*<sup>Ts</sup>

### Etymology

[ge.no.ma'tis] N.L. gen. n. *genomatis*, of a genome

### Nomenclatural type

[INSDC Nucleotide: VBAK00000000](#)<sup>Ts</sup>

### Description

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Segetimicrobium* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Segetimicrobiaceae » Segetimicrobium » *Segetimicrobium genomatis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32798>

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## Species *Thermofontivivens primus*<sup>Ts</sup>

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**Etymology**

[pri'mus] L. masc. adj. *primus*, first, to represent the first genome bin from of the genus

**Nomenclatural type**

[INSDC Nucleotide: JAVKJW000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Thermofontivivens* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Thermofontiviventaceae » *Thermofontivivens* » *Thermofontivivens primus*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32794>

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## Species *Kaftiobacterium secundum*<sup>Ts</sup>

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**Etymology**

[se.cun'dum] L. neut. adj. *secundum*, second, to represent the second genome bin of the genus

**Nomenclatural type**

[INSDC Nucleotide: JAVKHY000000000](#)<sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Kaftiobacterium* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobiia » Sysuimicrobiales » Kaftiobacteriaceae » *Kaftiobacterium* » *Kaftiobacterium secundum*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32802>

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## Species *Caldifonticola tengchongensis*<sup>Ts</sup>

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**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[INSDC Nucleotide: JAVKGX0000000000](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Caldifonticola* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobii » Sysuimicrobiales » Sysuimicrobiaceae » *Caldifonticola* » *Caldifonticola tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32789>

## Species *Geohabitans tengchongensis*<sup>Ts</sup>

**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[NCBI Assembly: GCA\\_031459625.1](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Terrahabitans* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobii » Sysuimicrobiales » Humiculatoraceae » *Geohabitans* » *Geohabitans tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32814>

## Species *Humiculator tengchongensis*<sup>Ts</sup>

**Etymology**

[teng.chong.en'sis] N.L. masc. adj. *tengchongensis*, pertaining to Tengchong, the source of the metagenomic sample

**Nomenclatural type**

[INSDC Nucleotide: JAVKIA0000000000](#) <sup>Ts</sup>

**Description**

A species established on the basis of AAI, ANI, dDDH and phylogenomic analyses, and is classified as a member of the *Humiculator* genus.

**Classification**

Bacteria » Sysuimicrobiota » Sysuimicrobii » Sysuimicrobiales » Humiculatoraceae » *Humiculator* » *Humiculator tengchongensis*<sup>Ts</sup>

**References**

Effective publication: Liu et al., 2024 [1]

**Registry URL**

<https://seqco.de/i:32811>

**References**

1. Liu et al. (2024). Insights into chemoautotrophic traits of a prevalent bacterial phylum CSP1-3, herein *Sysuimicrobiota*. *National Science Review*. DOI:[10.1093/nsr/nwae378](https://doi.org/10.1093/nsr/nwae378)

## Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List [seqco.de/r:kojsr2qc](https://seqco.de/r:kojsr2qc) submitted by **Liu, Lan** and including 32 new names has been successfully validated.

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